

Set	Items	Description
?	E	AU=berthet, fran?

Ref	Items	Index-term
E1	3	AU=BERTHET, FLORENTI N
E2	0	*AU=BERTHET, FRAN?
E3	2	AU=BERTHET, FRANCK
E4	6	AU=BERTHET, FRANCOI S
E5	2	AU=BERTHET, FRANCOI S XAVI ER
E6	20	AU=BERTHET, FRANCOI S- XAVI ER
E7	7	AU=BERTHET, FRANCOI S- XAVI ER JACQUES
E8	2	AU=BERTHET, FRANCOI SE
E9	5	AU=BERTHET, FRANCOI S- XAVI ER
E10	2	AU=BERTHET, FREDERI C
E11	2	AU=BERTHET, FX
E12	3	AU=BERTHET, G

Enter P or PAGE for more

? s e4-e9

6	AU=BERTHET, FRANCOI S
2	AU=BERTHET, FRANCOI S XAVI ER
20	AU=BERTHET, FRANCOI S- XAVI ER
7	AU=BERTHET, FRANCOI S- XAVI ER JACQUES
2	AU=BERTHET, FRANCOI SE
5	AU=BERTHET, FRANCOI S- XAVI ER

S1

42 E4- E9

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S2 26 RD (unique items)

? s s2 and Neisseria

26 S2

154615 NEI SSERI A

S3 5 S2 AND NEI SSERI A

? t s3/3, k/1-5

>>>KW C option is not available in file(s): 399

3/3, K/1 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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140198065 CA: 140(13)198065a PATENT

Vaccine compositions comprising Neisserial adhesin, autotransporter, toxin, iron acquisition protein and membrane-associated protein against Neisserial infection

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Bi emans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Pool man, Jan; Weynants, Vincent

LOCATI ON: Belg.

ASSI GNEE: Gl axosmithkline Bi ologi cal s S. A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLI CATI ON: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB

200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB

200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB

200230170 (20021224) *GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/2 (Item 2 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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140180125 CA: 140(12)180125k PATENT

Vaccine composition comprising transferrin binding protein and Hsf
 against Neisseria meningitidis, Neisseria gonorrhoeae, Moraxella
 catarrhalis and Haemophilus influenzae

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants,
 Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLICATION: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

3/3, K/3 (Item 3 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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137184449 CA: 137(13)184449e PATENT

Vaccine composition

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Lobet, Yves; Poolman,
 Jan; Verlant, Vincent Georges Christian Louis

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262380 A2 DATE: 20020815

APPLICATION: WO 2002EP1356 (20020208) *GB 20013169 (20010208)

PAGES: 75 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: A61K-039/116A; A61P-031/04B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;

hsf and t bp. txt

GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW; AM;
AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ;
; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR;
IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG

3/3, K/4 (Item 4 from file: 399)
DIALOG(R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rts. reserv.

137184447 CA: 137(13)184447c PATENT
Vaccine composition comprising hyperblebbing Gram-neg. bacteria which
have down-regulated tol genes and mutated peptidoglycan-binding proteins
INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Denoel, Philippe;
Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262378 A2 DATE: 20020815

APPLICATION: WO 2002EP1361 (20020208) *GB 20013171 (20010208)

PAGES: 71 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW;
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW;
; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG

3/3, K/5 (Item 5 from file: 399)
DIALOG(R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rts. reserv.

134146387 CA: 134(11)146387p PATENT
Immuno-protective and non-toxic Gram-neg. bleb vaccine suitable for
pediatric use
INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Dal emans, Wilfried L.
J.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves;
Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200109350 A2 DATE: 20010208

APPLICATION: WO 2000EP7424 (20000731) *GB 9918319 (19990803)

PAGES: 128 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;
A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;
A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;
HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;
MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;
TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;
RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG;
; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

? e au=bi emans, ra?

Ref	Items	Index-term
E1	29	AU=BI EMANS, R.
E2	0	*AU=BI EMANS, RA?
E3	25	AU=BI EMANS, RALPH
E4	20	AU=BI EMANS, RALPH LEON
E5	1	AU=BI EMANS, ROGI ER
E6	2	AU=BI EMANS, T.
E7	1	AU=BI EMANS, TOI NE
E8	1	AU=BI EMANS, TOI NE H.
E9	3	AU=BI EMANS, W
E10	105	AU=BI EMANS, W G
E11	1	AU=BI EMANS, W G
E12	1	AU=BI EMANS, W M

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? s e1-e4

29	AU=BI EMANS, R.
0	AU=BI EMANS, RA?
25	AU=BI EMANS, RALPH
20	AU=BI EMANS, RALPH LEON
S4	73 E1-E4

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73	S4
154615	NEI SSERI A
S5	16 S4 AND NEI SSERI A

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S6 15 RD (unique items)

? t s6/3, k/1-15

>>>KW C option is not available in file(s): 399

6/3, K/1 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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151108227 CA: 151(5)108227e PATENT

Method for preparing protein conjugates

INVENTOR(AUTHOR): Bi emans, Ralph Leon; Duvi vier, Pierre

LOCATI ON: Belg.

ASSI GNEE: Gl axosmithkline Bi ol ogi cal s S. A.

PATENT: PCT International ; WO 200977438 A1 DATE: 20090625

APPLI CATI ON: WO 2008EP67378 (20081212) *GB 200724360 (20071214)

PAGES: 87pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

I PCR/8 + Level Value Position Status Version Action Source Office:

A61K-0047/48

A I F B 20060101

H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; ST; SV; SY; TJ; TM; TN; TR. DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; NG; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/2 (Item 2 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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149150894 CA: 149(7)150894d PATENT

Process for conjugation of bacterial poly- or oligosaccharides and proteins, polypeptide and polynucleotide sequences of proteins, and their use in vaccines

INVENTOR(AUTHOR): Biemans, Ralph Leon; Duvivier, Pierre

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S. A.

PATENT: PCT International ; WO 200881014 A2 DATE: 20080710

APPLICATI ON: WO 2008EP50011 (20080102) *GB 2007136 (20070104)

PAGES: 101pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATI ONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/00

A I F B 20060101

H EP

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/3 (Item 3 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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149126535 CA: 149(6)126535s PATENT

Carbodiimide coupling in the preparation of saccharide conjugate vaccines

INVENTOR(AUTHOR): Biemans, Ralph Leon; Duvivier, Pierre

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S. A.

PATENT: PCT International ; WO 200881022 A1 DATE: 20080710

APPLICATI ON: WO 2008EP50021 (20080102) *GB 2007135 (20070104)

PAGES: 65pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATI ONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095

A I F B 20060101

H EP

A61K-0039/102

A I L B 20060101

H EP

A61K-0039/116

A I L B 20060101

H EP

A61K-0039/02

A I L B 20060101

H EP

DESIGNATED COUNTRY ES: AE; AG; AL; AM; AO; AT; AU; AZ; BA; BB; BG; BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DO; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; GT; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY; MA; MD; ME; MG; MK; MN; MW; MX; MY; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SV; SY; TJ; TM; TN; TR; TT DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HR; HU; IE; IS; IT; LT; LU; LV; MC; MT; NL; NO; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/4 (Item 4 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)

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146099125 CA: 146(6)99125n PATENT

Combination vaccine comprising a Haemophilus influenzae type b saccharide conjugate and addnl. bacterial saccharide conjugates

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriaux, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700322 A1 DATE: 20070104

APPLICATION: WO 2006EP6210 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 52pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/5 (Item 5 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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146099123 CA: 146(6)99123k PATENT

Immunogenic composition containing Neisseria meningitidis capsular saccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriaux, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700341 A2 DATE: 20070104

APPLICATION: WO 2006EP6268 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526041 (20051221) *GB 200526040 (20051221)

PAGES: 66pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/6 (Item 6 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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146099122 CA: 146(6)99122j PATENT
 Neisseria meningitidis capsular polysaccharide vaccine conjugate
 INVENTOR(AUTHOR): Bi emans, Ralph Leon; Boutriau, Domi nique; Capi au,
 Carine; Denoel, Philippe; Duvivier, Pierre; Pool man, Jan
 LOCATI ON: Belg.
 ASSI GNEE: Gl axosm thkline Bi ologi cal s S. A.
 PATENT: PCT International ; WO 200700314 A2 DATE: 20070104
 APPLI CATI ON: WO 2006EP6188 (20060623) *GB 200513071 (20050627) *GB
 200513069 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
 200526040 (20051221) *GB 200526041 (20051221)
 PAGES: 46pp. CODEN: PI XXD2 LANGUAGE: English
 PATENT CLASSI FI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP
A61P-0031/04	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
 GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
 LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
 NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;
 TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH;
 ; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
 NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
 MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
 ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/7 (Item 7 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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146099120 CA: 146(6)99120g PATENT
 Immunogenic composition containing Neisseria meningitidis capsular
 polysaccharides
 INVENTOR(AUTHOR): Bi emans, Ralph Leon; Boutriau, Domi nique; Capi au,
 Carine; Denoel, Philippe; Duvivier, Pierre; Pool man, Jan
 LOCATI ON: Belg.
 ASSI GNEE: Gl axosm thkline Bi ologi cal s S. A.
 PATENT: PCT International ; WO 200700342 A2 DATE: 20070104
 APPLI CATI ON: WO 2006EP6269 (20060623) *GB 200513069 (20050627) *GB
 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
 200526040 (20051221) *GB 200526041 (20051221)
 PAGES: 64pp. CODEN: PI XXD2 LANGUAGE: English
 PATENT CLASSI FI CATI ONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP
A61P-0031/04	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
 GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
 LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
 NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;
 TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH;
 ; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;

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NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/8 (Item 8 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099119 CA: 146(6)99119p PATENT

Preparation of saccharide-protein conjugates for vaccination

INVENTOR(AUTHOR): Bi emans, Ralph Leon; Duvivier, Pierre

LOCATI ON: Belg.

ASSI GNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700343 A2 DATE: 20070104

APPLI CATI ON: WO 2006EP6270 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526040 (20051221) *GB 200526041 (20051221)

PAGES: 37pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

I PCR/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

A61P-0031/04 A I L B 20060101 H EP

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;
TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESI GNATED REGIONAL: AT; BE; BG; CH
; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/9 (Item 9 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099118 CA: 146(6)99118n PATENT

Combination vaccines comprising Haemophilus influenzae type b saccharide
conjugate, an addnl. bacterial saccharide conjugate, and further antigens

INVENTOR(AUTHOR): Bi emans, Ralph Leon; Boutriau, Dominique; Capi au,
Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATI ON: Belg.

ASSI GNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700327 A1 DATE: 20070104

APPLI CATI ON: WO 2006EP6220 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526041 (20051221) *GB 200526040 (20051221)

PAGES: 49pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

I PCR/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA;
LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI;
NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ;

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TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH;
CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC;
NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML;
MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM;
ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

6/3, K/10 (Item 10 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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140259048 CA: 140(16)259048w PATENT

Neisseria outer membrane FrpB proteins containing loop-deletions for
improved refolding and vaccine use

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Karine; Kortekaas, Jeroen; Poolman, Jan; Tommassen, Jan; Weynants,
Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S. A.; Utrecht University;
Technology Foundation (Stichting Voor de Technische Wetenschappen)

PATENT: PCT International; WO 200420463 A2 DATE: 20040311

APPLICATION: WO 2003EP9634 (20030828) *GB 200220199 (20020830)

PAGES: 104 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE;
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/11 (Item 11 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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140249770 CA: 140(16)249770m PATENT

Refolding of recombinantly produced NspA protein from Neisseria using the
detergent SB-12 in an alkaline refolding buffer and use of NspA in the
treatment, prevention and diagnosis of Neisserial infections

INVENTOR(AUTHOR): Biemans, Ralph; Bos, Martine; Denoel, Philippe; Feron,
Christiane; Goraj, Karine; Poolman, Jan; Tommassen, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S. A.; Utrecht University

PATENT: PCT International; WO 200420452 A2 DATE: 20040311

APPLICATION: WO 2003EP10085 (20030828) *GB 200220197 (20020830)

PAGES: 62 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE;
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/12 (Item 12 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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140198071 CA: 140(13)198071z PATENT
 Meningococcal genetically engineered vaccine composition which has a
 fixed or locked lipooligosaccharide (LOS) immunotype
 INVENTOR(AUTHOR): Bi emans, Ralph; Denoel, Philippe; Feron, Christiane;
 Goraj, Karine; Jennings, Michael Paul; Poolman, Jan; Weynants, Vincent
 LOCATION: Belg.
 ASSIGNEE: Glaxosmithkline Biologicals Sa; The University of Queensland
 PATENT: PCT International ; WO 200415099 A2 DATE: 20040219
 APPLICATION: WO 2003EP8569 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)
 PAGES: 42 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: C12N-015/00A
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/13 (Item 13 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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140198065 CA: 140(13)198065a PATENT
 Vaccine compositions comprising Neisserial adhesin, autotransporter,
 toxin, iron acquisition protein and membrane-associated protein against
 Neisserial infection
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Bi emans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Weynants,
 Vincent
 LOCATION: Belg.
 ASSIGNEE: Glaxosmithkline Biologicals S.A.
 PATENT: PCT International ; WO 200414418 A2 DATE: 20040219
 APPLICATION: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)
 PAGES: 113 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: A61K-039/02A
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/14 (Item 14 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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140180125 CA: 140(12)180125k PATENT
 Vaccine composition comprising transferrin binding protein and Hsf
 against *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella*
catarrhalis and *Haemophilus influenzae*
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
 Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Veynants,
 Vincent
 LOCATION: Belg.
 ASSIGNEE: Glaxosmithkline Biologicals S.A.
 PATENT: PCT International ; WO 200414419 A1 DATE: 20040219
 APPLICATION: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)
 PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
 EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
 BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/15 (Item 15 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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140180124 CA: 140(12)180124j PATENT
 Engineered meningococcal strains comprising LOS subunit or outer membrane
 vesicle with downregulated or deleted PorA, QpA and/or QpC for use as
 neisserial vaccines
 INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
 Goraj, Karine; Poolman, Jan; Veynants, Vincent
 LOCATION: Belg.
 ASSIGNEE: Glaxosmithkline Biologicals SA
 PATENT: PCT International ; WO 200414417 A2 DATE: 20040219
 APPLICATION: WO 2003EP8568 (20030731) *GB 200218037 (20020802) *GB
 200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
 200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
 200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
 200230170 (20021224) *GB 20035028 (20030305)
 PAGES: 51 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: A61K-039/00A
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
 SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
 YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
 ; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;

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EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG
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Ref	Items	Index-term
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E2	12	AU=DENOEL, P. A.
E3	0	*AU=DENOEL, P?
E4	21	AU=DENOEL, PA
E5	2	AU=DENOEL, PH
E6	32	AU=DENOEL, PHI LI PPE
E7	6	AU=DENOEL, PHI LI PPE A
E8	11	AU=DENOEL, PHI LI PPE A.
E9	6	AU=DENOEL, S.
E10	14	AU=DENOEL, V.
E11	5	AU=DENOEL, VI NCENT
E12	14	AU=DENOEL, X.

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? s e1-e8

10	AU=DENOEL, P.
12	AU=DENOEL, P. A.
0	AU=DENOEL, P?
21	AU=DENOEL, PA
2	AU=DENOEL, PH
32	AU=DENOEL, PHI LI PPE
6	AU=DENOEL, PHI LI PPE A
11	AU=DENOEL, PHI LI PPE A.
S7	94 E1-E8

? s s7 and Neisseria

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154615	NEI SSERI A
S8	22 S7 AND NEI SSERI A

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>>>KW C option is not available in file(s): 399

8/3, K/1 (Item 1 from file: 24)
DI ALOG(R) File 24: CSA Life Sciences Abstracts
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0003160890 IP ACCESSI ON NO: 7931981
Additive and Synergistic Bactericidal Activity of Antibodies Directed
against Minor Outer Membrane Proteins of Neisseria meningitidis

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine
P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak,
Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
GlaxoSmithKline Biologicals, B-1330 Rixensart, Belgium Department of
Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The
Netherlands. Institute for Glycomics, Griffith University, Southport QLD
4215, Australia. Division of Biological Sciences, University of Montana,
Missoula, Montana 59812. School of Molecular & Microbial Sciences,
University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007
PUBLI CATI ON DATE: 2007

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Washington, DC 20036 USA, [URL: http://www.asm.org/]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English

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ISSN: 0019-9567

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FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael...

ABSTRACT:

Neisseria meningitidis serogroup B is a major cause of bacterial meningitis in younger populations. The available...

... DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Mimicry; Vaccines; outer membrane proteins; *Neisseria meningitidis*

8/3, K/2 (Item 2 from file: 24)
DI ALOG(R) File 24: CSA Life Sciences Abstracts
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0002425163 IP ACCESSION NO: 5472483
Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Moraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, MT*
Department of Bacteriology and Parasitology, Tulane National Primate Research Center, 18703 Three Rivers Rd., Covington, LA 70433,
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques: *Moraxella*, *Neisseria*, *Haemophilus*, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y; Philipp, MT*

ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of *Neisseria* and *Haemophilus* species, as well as *Moraxella catarrhalis*. *M. catarrhalis* was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animals harbored *Neisseria* spp. such as *N. sicca*. However, *Neisseria meningitidis* was not found. In summary, it appears as though the rhesus macaque may be...

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...infections. Moreover, in view of the susceptibility of macaques to organisms of the *Haemophilus* and *Neisseria* genera, it is possible that these animals may also accurately model nontypeable *H. influenzae* and ...

DESCRIPTORS: Animal models; Infection; Nasopharynx; *Macaca mulatta*; *Braxella catarrhalis*; *Neisseria sicca*; *Haemophilus*; *Neisseria meningitidis*

8/3, K/3 (Item 1 from file: 76)
DI ALOG(R) File 76: Environmental Sciences
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0002040344 IP ACCESSION NO: 7931981
Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
GlaxoSmithKline Biologicals, B-1330 Rixensart, Belgium Department of Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The Netherlands. Institute for Glycomics, Griffith University, Southport QLD 4215, Australia. Division of Biological Sciences, University of Montana, Missoula, Montana 59812. School of Molecular & Microbial Sciences, University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007
PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0019-9567
ELECTRONIC ISSN: 1098-5522
FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael ...

ABSTRACT:

Neisseria meningitidis serogroup B is a major cause of bacterial meningitis in younger populations. The available...

...DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Mimicry; Vaccines; outer membrane proteins; *Neisseria meningitidis*

8/3, K/4 (Item 2 from file: 76)
DI ALOG(R) File 76: Environmental Sciences
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0001628353

IP ACCESSION NO: 5472483

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:
Moraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;
Philipp, M*

Department of Bacteriology and Parasitology, Tulane National Primate
Research Center, 18703 Three Rivers Rd., Covington, LA 70433,
[mailto:philipp@pc.tulane.edu]

Journal of Clinical Microbiology, v 40, n 11, p 4340-4342, November 2002
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0095-1137

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Assessment of the Nasopharyngeal Bacterial Flora of Rhesus Macaques:
Moraxella, Neisseria, Haemophilus, and Other Genera

Bowers, LC; Purcell, JE; Plauche, GB; Denoel, PA; Lobet, Y;
Philipp, M*

ABSTRACT:

The nasopharyngeal bacterial flora of healthy rhesus macaques was surveyed for the presence of Neisseria and Haemophilus species, as well as Moraxella catarrhalis. M. catarrhalis was found both in healthy...

...have been thwarted by the growth of less fastidious species. A number of animals harbored Neisseria spp. such as N. sicca. However, Neisseria meningitidis was not found. In summary, it appears as though the rhesus macaque may be...

...infections. Moreover, in view of the susceptibility of macaques to organisms of the Haemophilus and Neisseria genera, it is possible that these animals may also accurately model nontypeable H. influenzae and...

DESCRIPTORS: Animal models; Infection; Nasopharynx; Macaca mulatta;
Moraxella catarrhalis; Neisseria sicca; Haemophilus;
Neisseria meningitidis

8/3, K/5 (Item 1 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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150534080 CA: 150(25)534080z JOURNAL

Genetically modified L3,7 and L2 lipooligosaccharides from Neisseria meningitidis serogroup B confer a broad cross-bactericidal response

AUTHOR(S): Weynants, V.; Denoel, P.; Devos, N.; Janssens, D.; Feron, C.; Goraj, K.; Minn, P.; Monnom, D.; Tans, C.; Vandercammen, A.; Vauters, F.; Poolman, Jan T.

LOCATION: GlaxoSmithKline Biologicals, B 1330, Rixensart, Belg.

JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2009 VOLUME: 77

NUMBER: 5 PAGES: 2084-2093 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE:

English PUBLISHER: American Society for Microbiology

8/3, K/6 (Item 2 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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147484764 CA: 147(23)484764r JOURNAL

Additive and synergistic bactericidal activity of antibodies directed against minor outer membrane proteins of *Neisseria meningitidis*

AUTHOR(S): Weynants, Vincent E.; Feron, Christiane M.; Goraj, Karine K.; Bos, Martine P.; Denoel, Philippe A.; Verlant, Vincent G.; Tommassen, Jan; Peak, Ian R. A.; Judd, Ralph C.; Jennings, Michael P.; Poolman, Jan T.

LOCATION: GlaxoSmithKline Biologicals, B-1330, Rixensart, Belg.

JOURNAL: Infect. Immun. (Infection and Immunity) DATE: 2007 VOLUME: 75

NUMBER: 11 PAGES: 5434-5442 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE:

English PUBLISHER: American Society for Microbiology

8/3, K/7 (Item 3 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099125 CA: 146(6)99125n PATENT

Combination vaccine comprising a *Haemophilus influenzae* type b saccharide conjugate and addnl. bacterial saccharide conjugates

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S.A.

PATENT: PCT International ; WO 200700322 A1 DATE: 20070104

APPLICATION: WO 2006EP6210 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 52pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/8 (Item 4 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099123 CA: 146(6)99123k PATENT

Immunogenic composition containing *Neisseria meningitidis* capsular saccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: GlaxoSmithKline Biologicals S.A.

PATENT: PCT International ; WO 200700341 A2 DATE: 20070104

APPLICATION: WO 2006EP6268 (20060623) *GB 200513069 (20050627) *GB 200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB

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200526041 (20051221) *GB 200526040 (20051221)

PAGES: 66pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/9 (Item 5 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099122 CA: 146(6)99122j PATENT

Neisseria meningitidis capsular polysaccharide vaccine conjugate

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200700314 A2 DATE: 20070104

APPLICATION: WO 2006EP6188 (20060623) *GB 200513071 (20050627) *GB 200513069 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB 200526040 (20051221) *GB 200526041 (20051221)

PAGES: 46pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

IPC/8 + Level Value Position Status Version Action Source Office:

A61K-0039/095 A I F B 20060101 H EP

A61K-0039/102 A I L B 20060101 H EP

A61K-0039/116 A I L B 20060101 H EP

A61P-0031/04 A I L B 20060101 H EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/10 (Item 6 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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146099120 CA: 146(6)99120g PATENT

Immunogenic composition containing Neisseria meningitidis capsular polysaccharides

INVENTOR(AUTHOR): Biemans, Ralph Leon; Boutriau, Dominique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

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PATENT: PCT International ; WO 200700342 A2 DATE: 20070104
APPLI CATION: WO 2006EP6269 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526040 (20051221) *GB 200526041 (20051221)
PAGES: 64pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSI FICATIONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP
A61P-0031/04	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/11 (Item 7 from file: 399)
DI A LOG(R) File 399: CA SEARCH(R)
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146099118 CA: 146(6)99118n PATENT
Combination vaccines comprising Haemophilus influenzae type b saccharide conjugate, an addnl. bacterial saccharide conjugate, and further antigens
INVENTOR(AUTHOR): Bi emans, Ralph Leon; Bout riau, Domi nique; Capi au, Carine; Denoel, Philippe; Duvivier, Pierre; Pool man, Jan
LOCATI ON: Bel g.
ASSI GNEE: Gl axosm thkl ine Bi ologi cal s S. A.
PATENT: PCT International ; WO 200700327 A1 DATE: 20070104
APPLI CATION: WO 2006EP6220 (20060623) *GB 200513069 (20050627) *GB
200513071 (20050627) *GB 200515556 (20050728) *GB 200524204 (20051128) *GB
200526041 (20051221) *GB 200526040 (20051221)
PAGES: 49pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSI FICATIONS:

IPC/8 + Level	Value	Position	Status	Version	Action	Source	Office:
A61K-0039/095	A	I	F	B	20060101	H	EP
A61K-0039/102	A	I	L	B	20060101	H	EP
A61K-0039/116	A	I	L	B	20060101	H	EP

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HN; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ; LA; LC; LK; LR; LS; LT; LU; LV; LY; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS; RU; SC; SD; SE; SG; SK; SL; SM; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC DESIGNATED REGIONAL: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG; BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

8/3, K/12 (Item 8 from file: 399)
DI A LOG(R) File 399: CA SEARCH(R)
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142387960 CA: 142(21)387960r PATENT
Protein and nucleotide sequences of Bordetella protein BASB232 and its therapeutic use

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INVENTOR(AUTHOR): Castado, Cindy; Denoel, Philippe; Godfroid, Fabrice; Poolman, Jan

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S. A.

PATENT: PCT International ; WO 200532584 A2 DATE: 20050414

APPLICATION: WO 2004EP11082 (20041001) *GB 200323113 (20031002) *GB 200323112 (20031002)

PAGES: 172 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/10A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/13 (Item 9 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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140259048 CA: 140(16)259048w PATENT

Neisseria outer membrane FrpB proteins containing loop-deletions for improved refolding and vaccine use

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Kortekaas, Jeroen; Poolman, Jan; Tomassen, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S. A.; Utrecht University; Technology Foundation (Stichting Voor de Technische Wetenschappen)

PATENT: PCT International ; WO 200420463 A2 DATE: 20040311

APPLICATION: WO 2003EP9634 (20030828) *GB 200220199 (20020830)

PAGES: 104 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/14 (Item 10 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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140249770 CA: 140(16)249770m PATENT

Refolding of recombinantly produced NspA protein from Neisseria using the detergent SB-12 in an alkaline refolding buffer and use of NspA in the treatment, prevention and diagnosis of Neisserial infections

INVENTOR(AUTHOR): Biemans, Ralph; Bos, Martine; Denoel, Philippe; Feron, Christiane; Goraj, Karine; Poolman, Jan; Tomassen, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S. A.; Utrecht University

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PATENT: PCT International ; WO 200420452 A2 DATE: 20040311
APPLI CATION: WO 2003EP10085 (20030828) *GB 200220197 (20020830)
PAGES: 62 pp. CODEN: PIXXD2 LANGUAGE: English
PATENT CLASSI FI CATION S:

CLASS: C07K-000/ A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/ 15 (Item 11 from file: 399)
DI ALOG(R) File 399: CA SEARCH(R)
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140198071 CA: 140(13)198071z PATENT

Meningococcal genetically engineered vaccine composition which has a
fixed or locked lipooligosaccharide (LOS) immunotype

INVENTOR(AUTHOR): Bi emans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Karine; Jennings, Michael Paul; Pool man, Jan; Weynants, Vincent
LOCATI ON: Bel g.

ASSI GNEE: Gl axosmithkline Bi ologi cal s Sa; The University of Queensl and

PATENT: PCT International ; WO 200415099 A2 DATE: 20040219

APPLI CATION: WO 2003EP8569 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 42 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSI FI CATION S:

CLASS: C12N-015/ 00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/ 16 (Item 12 from file: 399)
DI ALOG(R) File 399: CA SEARCH(R)
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140198065 CA: 140(13)198065a PATENT

Vaccine compositions comprising Neisserial adhesin, autotransporter,
toxin, iron acquisition protein and membrane-associated protein against
Neisserial infection

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Bi emans, Ralph;
Denoel, Philippe; Feron, Christiane; Goraj, Karine; Pool man, Jan; Weynants,
Vincent

LOCATI ON: Bel g.

ASSI GNEE: Gl axosmithkline Bi ologi cal s S. A.

PATENT: PCT International ; WO 200414418 A2 DATE: 20040219

APPLI CATION: WO 2003EP8571 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB

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200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 113 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/17 (Item 13 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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140180125 CA: 140(12)180125k PATENT

Vaccine composition comprising transferrin binding protein and Hsf
against *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella*
catarrhalis and *Haemophilus influenzae*

INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Biemans, Ralph;
Denoel, Philippe; Feron, Christiane; Goraj, Carine; Poolman, Jan; Weynants,
Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals S.A.

PATENT: PCT International ; WO 200414419 A1 DATE: 20040219

APPLICATION: WO 2003EP8567 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 64 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/095A; A61K-039/102B; A61K-039/00B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU DESIGNATED REGIONAL: GH; GM; KE
; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/18 (Item 14 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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140180124 CA: 140(12)180124j PATENT

Engineered meningococcal strains comprising LOS subunit or outer membrane
vesicle with downregulated or deleted PorA, QpA and/or QpC for use as
neisserial vaccines

INVENTOR(AUTHOR): Biemans, Ralph; Denoel, Philippe; Feron, Christiane;
Goraj, Carine; Poolman, Jan; Weynants, Vincent

LOCATION: Belg.

ASSIGNEE: Glaxosmithkline Biologicals SA

PATENT: PCT International ; WO 200414417 A2 DATE: 20040219

hsf andt bp. txt

APPLICATION: WO 2003EP8568 (20030731) *GB 200218037 (20020802) *GB
200218036 (20020802) *GB 200218035 (20020802) *GB 200218051 (20020802) *GB
200220197 (20020830) *GB 200220199 (20020830) *GB 200225524 (20021101) *GB
200225531 (20021101) *GB 200230164 (20021224) *GB 200230168 (20021224) *GB
200230170 (20021224) *GB 20035028 (20030305)

PAGES: 51 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU;
SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN;
YU; ZA; ZM; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE;
LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; BG; CH; CY; CZ; DE; DK;
EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF;
BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

8/3, K/19 (Item 15 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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137184447 CA: 137(13)184447c PATENT

Vaccine composition comprising hyperblebbing Gram-neg. bacteria which
have down-regulated tol genes and mutated peptidoglycan-binding proteins

INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Denoel, Philippe;

Neyt, Cecile Anne; Poolman, Jan; Thonnard, Joelle

LOCATION: Belg.

ASSIGNEE: Smithkline Beecham Biologicals S.A.

PATENT: PCT International ; WO 200262378 A2 DATE: 20020815

APPLICATION: WO 2002EP1361 (20020208) *GB 20013171 (20010208)

PAGES: 71 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: A61K-039/00A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE;
SG; SI; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW;
AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW;
MZ; SD; SL; SZ; TZ; UG; ZM; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;
GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
ML; MR; NE; SN; TD; TG

8/3, K/20 (Item 16 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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137138812 CA: 137(10)138812v CONFERENCE PROCEEDING

Outer membrane vesicles and other options for a meningococcal B vaccine

AUTHOR(S): Poolman, J. T.; Feron, C.; Dequesne, G.; Denoel, P. A.;

Dessoy, S.; Goraj, K. K.; Janssens, D. E.; Kummert, S.; Lobet, Y.; Mertens,

E.; Monnom, D. Y.; Momin, P.; Pepin, N.; Ruelle, J.-L.; Thonnard, J. J.;

Verlant, V. G.; Voet, P.; Berthet, F. X.

LOCATION: UK

JOURNAL: Emerging Strategies Fight Meningitis (Emerging Strategies in the
Fight against Meningitis) EDITOR: Ferreira, Carlos (Ed), Griado, Maria

Teresa (Ed), Vazquez, Julio (Ed), DATE: 2002 PAGES: 135-149 CODEN:

69CKED LANGUAGE: English PUBLISHER: Horizon Scientific Press, Wymondham

UK ISBN: 1-898486-34-4

8/3, K/21 (Item 17 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
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136166052 CA: 136(11)166052v PATENT
 Vaccine composition
 INVENTOR(AUTHOR): Berthet, Francois-Xavier Jacques; Dalemans, Wilfried;
 Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Garcon, Nathalie;
 Lobet, Yves; Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre
 LOCATION: Belg.
 ASSIGNEE: Smithkline Beecham Biologicals S. A.
 PATENT: PCT International ; WO 200209746 A2 DATE: 20020207
 APPLICATION: WO 2001EP8857 (20010731) *EP 2000956369 (20000731) *GB
 20013170 (20010208)
 PAGES: 125 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: A61K-039/00A
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;
 GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;
 LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI;
 SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG;
 KZ; MD; RU; TJ; TM. DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ;
 TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC;
 NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD;
 TG

8/3, K/22 (Item 18 from file: 399)
 DI ALOG(R) File 399: CA SEARCH(R)
 (c) 2009 American Chemical Society. All rts. reserv.

134146387 CA: 134(11)146387p PATENT
 Immuno-protective and non-toxic Gram-neg. bleb vaccine suitable for
 pediatric use
 INVENTOR(AUTHOR): Berthet, Francois-xavier Jacques; Dalemans, Wilfried L.
 J.; Denoel, Philippe; Dequesne, Guy; Feron, Christiane; Lobet, Yves;
 Poolman, Jan; Thiry, Georges; Thonnard, Joelle; Voet, Pierre
 LOCATION: Belg.
 ASSIGNEE: Smithkline Beecham Biologicals S. A.
 PATENT: PCT International ; WO 200109350 A2 DATE: 20010208
 APPLICATION: WO 2000EP7424 (20000731) *GB 9918319 (19990803)
 PAGES: 128 pp. CODEN: PIXXD2 LANGUAGE: English
 PATENT CLASSIFICATIONS:
 CLASS: C12N-015/74A; A61K-039/02B; C12N-015/31B; C12N-015/67B;
 A61K-039/095B; A61K-039/116B; A61K-039/118B; A61K-039/09B; A61K-039/104B;
 A61K-039/102B; A61K-039/295B; C07K-014/195B; C12N-001/21B
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;
 CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR;
 HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA;
 MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL;
 TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD;
 RU; TJ; TM. DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG;
 ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT;
 SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG
 ? e au=gorah, car?

Ref	Items	Index-term
E1	1	AU=GORAGUER, M. A.
E2	5	AU=GORAGUER, MA
E3	0	*AU=GORAH, CAR?
E4	1	AU=GORAH, YU. T.

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E5	14	AU=GORAHARPER ML
E6	1	AU=GORAHL ROGERS, FREDERICK
E7	17	AU=GORAI AK
E8	4	AU=GORAI AP
E9	3	AU=GORAI AK
E10	1	AU=GORAI AP
E11	3	AU=GORAI AK
E12	1	AU=GORAI AM

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 ? e au=gorah, carine?

Ref	Items	Index-term
E1	1	AU=GORAGUER, MA
E2	5	AU=GORAGUER, MA
E3	0	*AU=GORAH, CARINE?
E4	1	AU=GORAH, YU. T.
E5	14	AU=GORAHARPER ML
E6	1	AU=GORAHL ROGERS, FREDERICK
E7	17	AU=GORAI AK
E8	4	AU=GORAI AP
E9	3	AU=GORAI AK
E10	1	AU=GORAI AP
E11	3	AU=GORAI AK
E12	1	AU=GORAI AM

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Ref	Items	Index-term
E1	1	AU=POOLMAN, JAN TEUNIS
E2	5	AU=POOLMAN, JAN THEUNIS
E3	0	*AU=POOLMAN, JAN?
E4	161	AU=POOLMAN, JT
E5	1	AU=POOLMAN, K. H.
E6	1	AU=POOLMAN, KENNETH
E7	1	AU=POOLMAN, LESLIE JOHN
E8	1	AU=POOLMAN, M
E9	3	AU=POOLMAN, M
E10	1	AU=POOLMAN, M G
E11	10	AU=POOLMAN, M G
E12	6	AU=POOLMAN, M G

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1	AU=POOLMAN, JAN TEUNIS
5	AU=POOLMAN, JAN THEUNIS
0	AU=POOLMAN, JAN?
6	E1-E3

S9
 ? s s9 and Neisseria

6	S9
154615	NEISSERIA
2	S9 AND NEISSERIA

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S11 2 RD (unique items)

? t s1/3, k/1-2

>>>KW C option is not available in file(s): 399

1/3, K/1 (Item 1 from file: 98)
 DIALOG(R) File 98: General Sci Abs
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5951515 H.W. WILSON RECORD NUMBER: BGS98055548
 Attenuation of virulence by disruption of the *Mycobacterium tuberculosis*
 erp gene
 Berthet, Francois-Xavier
 Lagranderie, Micheline; Gounon, Pierre
 Science v. 282 no5389 (October 23 1998) p. 759-62
 DOCUMENT TYPE: Feature Article
 SPECIAL FEATURES: Bibliography Illustration ISSN: 0036-8075
 LANGUAGE: English
 COUNTRY OF PUBLICATION: United States

Berthet, Francois-Xavier

1/3, K/2 (Item 2 from file: 98)
 DIALOG(R) File 98: General Sci Abs
 (c) 2009 The H.W. Wilson Co. All rights reserved.

04048580 H.W. WILSON RECORD NUMBER: BGS99048580
 Use of fluorescence induction and sucrose counterselection to identify
Mycobacterium tuberculosis genes expressed within host cells.
 Triccas, James A
 Berthet, Francois-Xavier; Pelicci, Vladimir
 Microbiology (Microbiology) v. 145 pt10 (Oct. 1999) p. 2923-30
 SPECIAL FEATURES: bibli ISSN: 1350-0872
 LANGUAGE: English
 COUNTRY OF PUBLICATION: United Kingdom

Berthet, Francois-Xavier; Pelicci, Vladimir
 ? e au=weynants, vincent?

Ref	Items	Index-term
E1	10	AU=WEYNANTS, VINCENT E
E2	7	AU=WEYNANTS, VINCENT E.
E3	0	*AU=WEYNANTS, VINCENT?
E4	4	AU=WEYNARD L. S.
E5	1	AU=WEYNBANNI NGH L
E6	2	AU=WEYNBERG P A
E7	1	AU=WEYNBERG P.
E8	1	AU=WEYNBERG P. A.
E9	2	AU=WEYNBERG P.
E10	2	AU=WEYNBERG P. A.
E11	2	AU=WEYNDLING C.
E12	1	AU=WEYNDLING W W

Enter P or PAGE for more

? s e1-e2
 10 AU=WEYNANTS, VINCENT E
 7 AU=WEYNANTS, VINCENT E.
 S12 17 E1- E2
 ? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
 S13 7 RD (unique items)

? s s13 and Neisseria

7 S13

154615 NEISSERIA

S14 4 S13 AND NEISSERIA

? t s14/3, k/1-4

>>>KW C option is not available in file(s): 399

14/3, K/1 (Item 1 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

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0003160890 IP ACCESSION NO: 7931981

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant, Vincent G; Tommassen, Jan; Peak, Ian RA; Judd, Ralph C; Jennings, Michael P; Poolman, Jan T
GlaxoSmithKline Biologicals, B-1330 Rixensart, Belgium Department of Molecular Microbiology, Utrecht University, 3584-CH Utrecht, The Netherlands. Institute for Glycomics, Griffith University, Southport QLD 4215, Australia. Division of Biological Sciences, University of Montana, Missoula, Montana 59812. School of Molecular & Microbial Sciences, University of Queensland, Brisbane QLD 4072, Australia

Infection and Immunity, v 75, n 11, p 5434-5442, November 2007

PUBLICATION DATE: 2007

PUBLISHER: American Society for Microbiology, 1752 N Street N.W

Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

ELECTRONIC ISSN: 1098-5522

FILE SEGMENT: Immunology Abstracts; Bacteriology Abstracts (Microbiology B)

Additive and Synergistic Bactericidal Activity of Antibodies Directed against Minor Outer Membrane Proteins of *Neisseria meningitidis*

Weynants, Vincent E; Feron, Christiane M; Goraj, Karine K; Bos, Martine P; Denoel, Philippe A; Verlant...

ABSTRACT:

Neisseria meningitidis serogroup B is a major cause of bacterial meningitis in younger populations. The available...

... DESCRIPTORS: Antibodies; Bactericidal activity; Children; Complement; Cross-protection; Membrane vesicles; Meningitis; Mimicry; Vaccines; outer membrane proteins; *Neisseria meningitidis*

14/3, K/2 (Item 2 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

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0002964326 IP ACCESSION NO: 7175484

Shielding of immunogenic domains in *Neisseria meningitidis* FrpB (FetA) by the major variable region

hsf and t bp.txt

Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;
Weynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,
Martine P; Tommassen, Jan
Department of Molecular Microbiology and Institute of Biomembranes, Utrecht
University, Padualaan, 3584 CH Utrecht, The Netherlands,
[mailto:m.p.bos@i.o.uu.nl]

Vaccine, v 25, n 1, p 72-84, January 2007
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Shielding of immunogenic domains in *Neisseria meningitidis* FrpB
(FetA) by the major variable region

Kortekaas, Jeroen; Pettersson, Annika; Van der Biezen, Jenny;
Weynants, Vincent E; Van der Ley, Peter; Poolman, Jan; Bos,
Martine P; Tommassen, Jan

... DESCRIPTORS: sequence; Epitope mapping; Immune response; Immunity;
Immunization; Immunofluorescence; Microscopy; Vaccines; Variable
region; outer membrane proteins; *Neisseria meningitidis*

14/3, K/3 (Item 3 from file: 24)
DIALOG(R) File 24: CSA Life Sciences Abstracts
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0002950345 IP ACCESSION NO: 7047661
Immunogenicity and structural characterisation of an in vitro folded
meningococcal siderophore receptor (FrpB, FetA)

Kortekaas, Jeroen; Mueller, Shirley A; Ringler, Philippe; Gregorini,
Marco; Weynants, Vincent E; Rutten, Lucy; Bos, Martine P;
Tommassen, Jan
Department of Molecular Microbiology, Institute of Biomembranes, Utrecht
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Microbes and Infection, v 8, n 8, p 2145-2153, July 2006
PUBLICATION DATE: 2006

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ISSN: 1286-4579
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Kortekaas, Jeroen; Mueller, Shirley A; Ringler, Philippe; Gregorini,
Page 27

hsf and tbp.txt

Marco; Weynants, Vincent E; Rutten, Lucy; Bos, Martine P;
Tomassen, Jan

ABSTRACT:

The iron-limitation-inducible protein FrpB of *Neisseria meningitidis* is an outer-membrane-localized siderophore receptor. Because of its abundance and its capacity...

... DESCRIPTORS: protein; Immunogenicity; Inclusion bodies; Laboratory animals; Protein folding; Protein structure; Vaccines; siderophore receptors; *Escherichia coli*; *Neisseria meningitidis*

14/3, K/4 (Item 4 from file: 24)
DIALOG(R) File 24: CSA Life Sciences Abstracts
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0002816358 IP ACCESSION NO: 6737828
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Annika; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pierre; Poolman, Jan T; Bos, Martine P; Tomassen, Jan
Department of Molecular Microbiology, Institute of Biomembranes, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands,
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PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
SUMMARY LANGUAGE: English
ISSN: 0264-410X
FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts
Vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB

Pettersson, Annika; Kortekaas, Jeroen; Weynants, Vincent E; Voet, Pierre; Poolman, Jan T; Bos, Martine P; Tomassen, Jan

ABSTRACT:

The vaccine potential of the *Neisseria meningitidis* lactoferrin-binding proteins LbpA and LbpB was evaluated. Sequencing and sequence alignments suggested that...

... DESCRIPTORS: Outer membranes; Antisera; LbpA protein; Nucleotide sequence; Monoclonal antibodies; Bactericidal activity; Western blotting; LbpB protein; *Neisseria meningitidis*; *Escherichia coli* ? s *Neisseria* and ((Hsf or autotransport?) and (transferin(w)bind? or Tbp))
Processing
Processed 20 of 56 files ...
Completed processing all files
154615 NEISSERIA
11088 HSF
4145 AUTOTRANSPORT?
812 TRANSFERIN
8485094 BIND?

hsf andt bp. txt

8 TRANSFERRIN(W/BI ND?
44024 TBP
S15 1 NEISSERIA AND ((HSF OR AUTOTRANSPORT?) AND
(TRANSFERRIN(W/BI ND? OR TBP))

?

? t s15/3,k/1

>>>KW C option is not available in file(s): 399

15/3,K/1 (Item 1 from file: 357)
DI ALOG(R) File 357: Derwent Biotech Res.
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0337155 DBR Accession No.: 2004-09447 PATENT
New immunogenic composition comprising transferrin binding protein and
Hsf like protein, useful for treating or preventing disease
caused by Neisseria meningitidis or N. gonorrhoeae, Moraxella
catarrhalis or Hemophilus influenzae - immunogenic composition for use
in bacterium infection therapy and vaccine
AUTHOR: BERTHET F J; BIEMANS R; DENOEL P; FERON C; GORAJ C; POOLMAN J;
WEYNANTS V
PATENT ASSIGNEE: GLAXOSMITHKLINE BIOLOGICALS SA 2004
PATENT NUMBER: WO 200414419 PATENT DATE: 20040219 WPI ACCESSION NO.:
2004-169460 (200416)
PRIORITY APPLIC. NO.: GB 20035028 APPLIC. DATE: 20030305
NATIONAL APPLIC. NO.: WO 2003EP8567 APPLIC. DATE: 20030731
LANGUAGE: English

New immunogenic composition comprising transferrin binding protein and
Hsf like protein, useful for treating or preventing disease
caused by Neisseria meningitidis or N. gonorrhoeae, Moraxella
catarrhalis or Hemophilus influenzae - immunogenic composition for use
in bacterium..

ABSTRACT: DERWENT ABSTRACT: NOVELTY - A new immunogenic composition
comprises an isolated transferrin binding protein (Tbp) or its
antigenic fragment and an isolated Hsf like protein or its
antigenic from the same or different Gram negative bacteria. DETAILED
DESCRIPTION..

...or preventing Neisserial infection; and (7) a pharmaceutical preparation
comprising monoclonal antibodies against TbpA and Hsf of
Neisseria meningitidis and an excipient. BIOTECHNOLOGY -
Preferred Composition: The immunogenic composition comprises high
molecular weight form..

... molecular weight form TbpA and low molecular weight form TbpA. It
comprises antigenic fragments of Tbp and/or Hsf like
protein capable of generating a protective response against
Neisseria meningitidis serogroup B, Neisseria gonorrhoeae,
Moraxella catarrhalis or Haemophilus influenzae infection. It comprises
antigenic fragments of TbpA and/or Hsf. It comprises a fusion
protein of Tbp and Hsf like protein or TbpA and Hsf
capable of generating a protective response against Neisserial
infection. The Hsf like protein or transferrin binding protein is
derived from Neisseria meningitidis serogroup B, Neisseria
gonorrhoeae, Moraxella catarrhalis or Haemophilus influenzae. The
transferrin binding protein is TbpA. The immunogenic composition...

... preparation derived from Gram negative bacteria, in which expression of
both transferrin binding protein and Hsf like protein are at
least 1.5 fold higher than naturally occurring in the unmodified...

... limitation conditions. At least a part of the outer membrane vesicle
preparation is derived from Neisseria meningitidis serogroup B,

hsf and tbp.txt

Neisseria gonorrhoeae, *Moraxella catarrhalis* or *Haemophilus influenzae*. The transferrin binding protein and Hsf like protein are upregulated on different vesicles originating from different bacterial strains or on the...

... as to introduce a stronger promoter sequence upstream of genes encoding transferrin binding protein and Hsf like protein. A host cell from which the outer membrane vesicle preparation is derived has...

... comprises two or more bacterial capsular polysaccharides or oligosaccharides conjugated to transferrin binding protein or Hsf like proteins or both. The capsular polysaccharide or oligosaccharide is derived from *Neisseria meningitidis* serogroup B, *Neisseria gonorrhoeae*, *Moraxella catarrhalis* or *Haemophilus influenzae*. The immunogenic composition also comprises one or more polynucleotides encoding a transferrin binding protein and a Hsf like protein whose expression is driven by a eukaryotic promoter. It further comprises an adjuvant containing QpG. It also comprises aluminium salts or 3D-MPL. The TbpA and Hsf of *Neisseria meningitidis* are encoded. Preferred Method: Treating or preventing Gram negative bacterial disease comprises administering the...

... treated. Making the immunogenic composition comprises: (1) mixing together isolated transferrin binding protein and isolated Hsf like protein; (2) isolating outer membrane vesicles from a Gram negative bacterial culture, which involves...

... DOC; and (3) conjugating bacterial capsular polysaccharides or oligosaccharides to transferrin binding protein and/or Hsf like protein. Making the vaccine comprises combining the immunogenic composition with an excipient. Preparing an...

... ACTION - Vaccine. USE - The immunogenic composition is useful for treating or preventing infection caused by *Neisseria meningitidis* serogroup B, *Neisseria gonorrhoeae*, *Moraxella catarrhalis* or *Haemophilus influenzae* (claimed). ADMINISTRATION - The composition is administered via oral or...

DESCRIPTIONS: immunogenic composition, transferrin binding protein isol., Hsf-like protein, fusion protein, genetically engineered bacterium outer membrane vesicle, monoclonal antibody, appl. *Neisseria meningitidis*, *Neisseria gonorrhoeae*, *Moraxella catarrhalis*, *Haemophilus influenzae* infection therapy, recombinant vaccine protein bacterium (23, 19)

? ds

Set	Items	Description
S1	42	E4- E9
S2	26	RD (unique items)
S3	5	S2 AND NEISSERIA
S4	73	E1- E4
S5	16	S4 AND NEISSERIA
S6	15	RD (unique items)
S7	94	E1- E8
S8	22	S7 AND NEISSERIA
S9	6	E1- E3
S10	2	S9 AND NEISSERIA
S11	2	RD (unique items)
S12	17	E1- E2
S13	7	RD (unique items)
S14	4	S13 AND NEISSERIA
S15	1	NEISSERIA AND ((HSF OR AUTOTRANSPORT?) AND (TRANSFERIN(W B-IND? OR TBP))